

KOBETM

INDUSTRIAL POWER TOOLS

PROFESSIONAL HOT AIR GUN KIT - WITH LCD DISPLAY 2000W

MODEL HAG200-D ORDER CODE KBE-279-2140K



Digital LCD
temperature display

- Adjustable temperature between 60-600°C.
- 230v~50Hz, with 2 metre industrial grade rubber power cord fitted with a 3 pin plug.
- 3 stage airflow switch and digital LCD temperature adjuster.
- Supplied with 4 detachable nozzles and a paint scraper.
- Stainless steel nozzle outlet and detachable heat protection sleeve allows for access into narrow areas.
- Overheating protection.
- Can be used free standing on a work surface facing upwards for hands free use.
- Air inlet with lattice guard to keep out foreign matter.
- Supplied in a tough blow moulded carrying case.
- Used for a wide range of jobs safely and reliably, such as soldering, welding PVC, shaping, drying, shrink-fitting, stripping paint, removing sticky labels etc.



WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THIS PRODUCT

ALWAYS WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.



OPERATORS MANUAL

Please retain this information for future reference.

You have purchased a quality industrial product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

SAFETY INSTRUCTIONS

KOBE INDUSTRIAL POWER TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most relevant ones have been highlighted.

GENERAL OPERATING HAZARDS

- ALWAYS use the Hot Air Gun with care as misuse could cause a fire.
- ALWAYS disconnect from the electrical power supply before cleaning or carrying out user maintenance.
- ALWAYS wear non-skid safety footwear when working outdoors.
- ALWAYS ensure the maintenance of electrical components, including plug fitting, is carried out by a suitably qualified person.
- ALWAYS store the tool in a dry, secure place away from children.
- NEVER use electrical power tools when they are damp or in a damp or wet environment.
- NEVER operate the Hot Air Gun when tired or under the influence of alcohol or prescription/non-prescription drugs.
- NEVER operate if any parts are missing or damaged.

WORKPLACE HAZARDS

- ALWAYS beware of fire and ignition hazards. Exercise care when using the Hot Air Gun in the proximity of flammable materials. Heat may also be conducted to flammable materials that are out of sight. This tool is not intended for use in a flammable or combustible atmosphere.
- ALWAYS keep the electric cable away from heat, oil and sharp edges.
- ALWAYS use a RCD (Residual Current Device) to provide protection against electric shock.
- ALWAYS make sure the area in which you are working in has a good flow of air. Toxic gases may occur when working on plastics, paints, varnishes or similar materials.

PERSONAL PROTECTION

- ALWAYS wear approved eye protection during operation.
- ALWAYS wear gloves to protect hands from cuts and burns.

SPECIFIC OPERATING HAZARDS

- ALWAYS ensure the Hot Air Gun is switched OFF before connecting it to the power supply.
- ALWAYS use recommended attachments or parts.
- ALWAYS ensure the electric cable is not damaged before connecting the Hot Air Gun to the electricity supply.
- ALWAYS place the tool in its freestanding (see Fig 5, on page 5) position after use and allow to cool before putting it away. The nozzle reaches temperatures in excess of 600°C.
- NEVER use the Hot Air Gun as a hair dryer.
- NEVER direct the flow of hot air at persons or animals.
- NEVER point the heat gun directly at a window or other glass surfaces.
- NEVER leave the Hot Air Gun running whilst unattended.
- NEVER direct the Hot Air Gun onto the same spot for any prolonged period.
- NEVER make any alterations to the Hot Air Gun and only use it for the task for which it has been designed.
- NEVER insert objects inside the air intake.
- NEVER position too close to the work piece as the air flow will be restricted and may cause the Hot Air Gun to overheat. Position the nozzle at least 25mm away from the work surface.
- NEVER carry the tool by the power cord.
- NEVER unplug the tool by pulling on the power cord.
- NEVER allow children to use the unit.

TECHNICAL DATA & PARTS

SPECIFICATIONS

MODEL NUMBER	HAG200-D	WEIGHT - GUN	910g
ORDER CODE	KBE-279-2140K	NET WEIGHT	2.2Kg
POWER SUPPLY	230V~50Hz	DATA	
INPUT POWER	2000W	AIRFLOW AND TEMPERATURE	
DIMENSIONS - GUN	190(H) x 270(W) x 80(D)mm	Stage I	350L/min 60°C (140°F)
DIMENSIONS - CASE	270(H) x 340(W) x 115(D)mm	Stage II	350L/min 60-600°C (140-1112°F)
		Stage III	550L/min 60-600°C (140-1112°F)

IDENTIFICATION



Fig 1.

Blow moulded
Carry Case

Reflector
Nozzle

Surface
Nozzle

Window
Nozzle

Reduction
Nozzle

Paint
Scraper

OPERATION

Always use the correct supply voltage!

The voltage of the power source must be the same as the value given on the rating plate of the unit. Units designed for 230V can also be operated with 220V.

SWITCHING ON/OFF & SETTING THE AIRFLOW TEMPERATURE

Ensure that the Hot Air Gun is switched OFF (0) before connecting it to the power supply or when attaching any nozzles to it!



The On/Off switch has four settings (See fig. 2).

Position "0" is "OFF" and the other three positions provide different rates of air flow. Slide the Switch up to position I, II, or III.

With Stage "I" you can have a temperature of no more than 60°C regardless of the number selected by the Temperature Adjustor. Only whilst using Stage II and Stage III airflow settings, can the Temperature Adjustor be used to change the required temperature.

To switch "OFF" the Hot Air Gun, slide the On/Off Switch to the "0" position.

	Air Flow	Temperature
Stage I	350l/min	60°C
Stage II	350l/min	Variable from 60°C to approx. 600°C
Stage III	550l/min	Variable from 60°C to 600°C

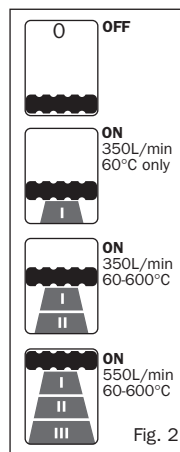


Fig. 2

SETTING THE TEMPERATURE

In the switch positions II and III, the temperature can be continuously regulated.

The distance from the object you are working on depends on the material and intended method of working. Always try out the air flow and temperature settings on a test piece first. Using the attachable accessory nozzles, the flow of hot air can be controlled with maximum precision. **If the Hot Air Gun is continuously used to close to the workpiece (i.e. misused) the thermal overload protection will be activated and the tool will completely shut down. Allow the tool to cool down before attempting to use it.**

Decrease the air flow when, for example:

- The surroundings of the work piece should not be heated more than necessary.
- A light work piece could be blown away by the air stream.

After switching to stage II or III, the target temperature can be regulated.

Pressing the "+" or "-" Temperature adjuster button increases or decreases the target temperature one time by 10°C. Holding down the "+" or "-" Temperature adjustor button increases or decreases the temperature continuously by 10°C steps until the button is released or the minimum or maximum temperature is reached. (See fig. 3)

In switch position I, the pre-set temperature is 60°C.

When switching from position II or III with higher temperatures to position I, a short time is required for the unit to cool to 60°C. During the cooling period, the LCD display shows the actual temperature at the nozzle outlet.



Fig. 3

OPERATION

REMOVING THE HEAT GUARD SLEEVE

CAUTION - Be careful of the hot nozzle!

There is an increased danger of burning when working without the heat guard.



For working in especially narrow places, the Heat Guard can be removed.

1. To remove or mount the heat guard, the unit must be in the "OFF" position and be allowed to cool down until cold.
2. With the Hot Air Gun facing away from you, hold the gun in your right hand and twist the Heat Guard with your left hand in a clockwise direction then pull off of the main body. (See fig. 4)
3. To mount the Heat Guard back on, slide the Heat Guard over the Nozzle and push the clips into position.

Always take EXTREME care when using the Hot Air Gun in the proximity of flammable materials. Heat may also be conducted to flammable materials that are out of sight.

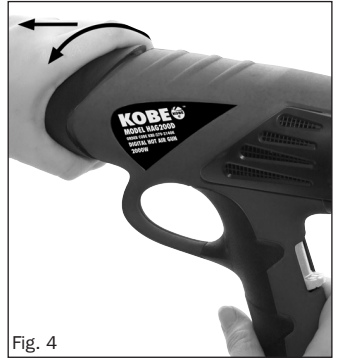


Fig. 4

PLACING DOWN THE HOT AIR GUN

For cooling of the heat gun or to have both hands free for working, it can be placed down in an upright position on the rear of the housing. (See fig. 5).

CAUTION - Be especially careful when working with the heat gun in an upright position!

There is greater danger of burning yourself on the hot nozzle and the hot air stream.

NEVER LEAVE THE HOT AIR GUN SWITCHED ON AND UNATTENDED!



Fig. 5

WORKING EXAMPLES

Temperature settings given in the application examples are suggested values that depending on the material characteristics, can deviate. The distance between the nozzle and work piece is dependent on the material to be worked on.

The ideal temperature should first be ascertained by performing a test. Therefore, begin with a lower temperature setting.

SURFACE NOZZLE

Removing paint/softening Adhesives



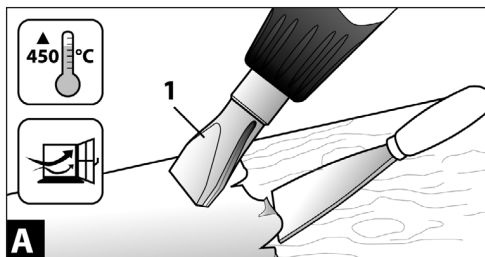
Attach the surface nozzle (1). Soften the paint using hot air and remove using a scraper. Do not heat the paint for too long since this will burn the paint, making it more difficult to remove. The scraper should be kept sharp and clean.

Many adhesives (e.g. stickers) become softer when heated allowing adhesive bonds to be broken or excess adhesive to be removed.

All application examples (except B) can be performed without accessories. However, the use of the recommended accessory parts simplify the work and significantly improve the quality of the results.

Be careful when changing the nozzle, danger of burning!

Do not touch the hot nozzle. Allow the unit to cool. Wear protective gloves.



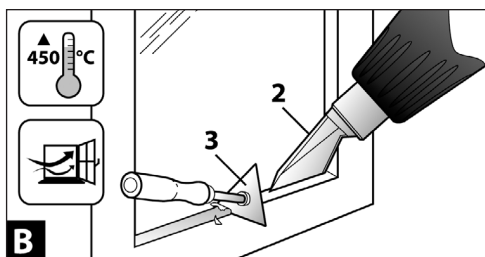
WINDOW NOZZLE & PAINT SCRAPER

Removing paint from window frames

CAUTION! *There is a danger of glass breaking!*



Use the window nozzle (2) to protect the glass when using the Hot Air Gun to remove paint from the frame. On profiled surfaces, paint can be removed using the triangular scraper (3) and brushed off using a soft wire brush.

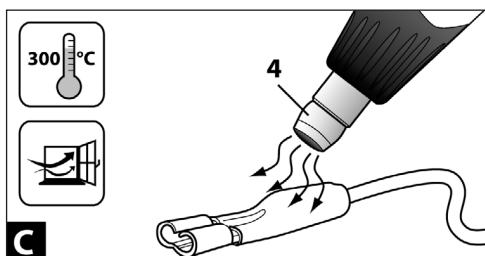


REDUCTION NOZZLE

Shrink fitting



After fitting the reduction nozzle (4), select the diameter of the heat-shrink tubing according to the work piece, for example, a spade connector. Heat the heat-shrinkable sleeve evenly.



WORKING EXAMPLES

REFLECTOR NOZZLE

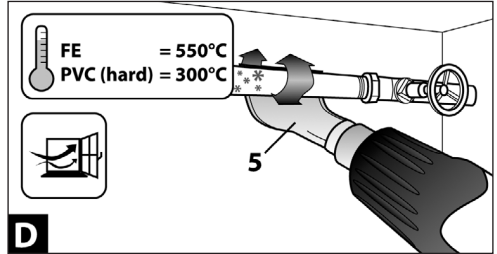


Defrosting water pipes

Water pipes often do not differ in appearance from gas pipes.

Gas pipes are NOT to be heated under any circumstances!

Place on the reflector nozzle (5). Heat the frozen zone always from the outside to the middle. Be especially careful when warming plastic pipes and connections between pipe pieces to prevent damage.



ACCESSORIES

Available from your local KOBÉ agent.

REDUCTION NOZZLE  KBE-280-3400K	REFLECTOR NOZZLE  KBE-280-3410K	SURFACE NOZZLE  KBE-280-3430K	WINDOW NOZZLE  KBE-280-3440K	PAINT SCRAPER  KBE-280-3420K
PAINT SCRAPER KIT  KBE-298-3800S	SEAM ROLLER  KBE-298-3801S	HEAT SHRINK TUBING 32 piece.  KEN-515-6800K		

MAINTENANCE

Ensure the Hot Air Gun is disconnected from the electrical supply and cannot operate accidentally when servicing or cleaning. If a guard or safety feature needs to be removed during maintenance, be sure to replace them before resuming operation of the Hot Air Gun.

CLEANING

Clean the Hot Air Gun with a soft brush or a cloth moistened with a suitable biodegradable solvent. Do not use flammable liquids like petrol or alcohol, they are a fire risk and will also damage the paint finish and plastic components.

CHECK FOR DAMAGED PARTS

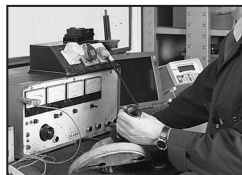
Check for breakage of parts, mountings and other conditions that may affect the operation of the Hot Air Gun. **Repairs must be carried out by an authorised repair technician.**

STORAGE

The Hot Air Gun should be stored in the dry, out of reach of children and in a frost-free environment.

SERVICE & REPAIR

A comprehensive repair and service facility is available through your local Kobe agent.



THE ENVIRONMENT

QUALITY GUARANTEE & WARRANTY

KOBE PRODUCTS carry a one years manufacturers warranty.

KOBE PRODUCTS are designed & produced to the highest standards & specifications

KOBE PRODUCTS are fully guaranteed against faulty materials & workmanship

Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted). This does not affect your legal rights.

Please retain supplier invoice as proof of purchase.

DECLARATION OF CONFORMITY

We hereby certify that **KOBE HAG2000-D Professional Hot Air Gun - with LCD Display** complies with all the relevant provisions of the following directives:

Electromagnetic Compatibility 2004/108/EC and Low Voltage 2006/95/EC.

Standards applied: EN 50366:2033/+A1:2006, EN 60335-2-45.

EN 60335-2-45:2002, EN 60335-1:2002 + A11:2004 + A1:2004 + A12:2006 + A2:2006.

Official Agent

KENNEDY TOOLS

Wigston, Leicester, England.

ISO 9001 REGISTERED COMPANY

Signed:

Name: Martin Cooke

Date: 27th May 2010

Position: Director, The Kennedy Group Ltd.



For EU and EEA countries only.

In observance of European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

KOBE TOOLS Official Agents:

JAPAN: MIKI TOOL TRADING CO. MIKI CITY, JAPAN.

EUROPE, MIDDLE EAST, AMERICA & AFRICA: THE KENNEDY GROUP LTD, WIGSTON, ENGLAND.

Kobe Tools continually strives to improve its products. Specifications may change without prior notice.

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